

A recurrence for A363869.

$$12*(335925n^6-2817291n^5+9820590n^4-18212139n^3+18950507n^2-10490436n+2413656)(3n-1)^2*(2n-1)^2(3n-2)^2n^2*a(n) =$$

$$(564221981475n^{14}-6988829610537n^{13}+39262968910134n^{12}-132398952234123n^{11}+298902937487280n^{10}-477087676244061n^9+554196938792642n^8-475047186192945n^7+301341725170525n^6-140477685791254n^5+47273139053640n^4-11112835280840n^3+1722245272944n^2-157428518400n+6419347200)*a(n-1) +$$

$$(12*(335925n^6-801741n^5+773010n^4-384189n^3+103595n^2-14384n+812))(3n-5)^2*(n-1)^2*(3n-4)^2(2n-3)^2a(n-2)$$

with $a(0) = 1$ and $a(1) = 55$.

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